

Context-Aware Embeddings for Automatic Art Analysis

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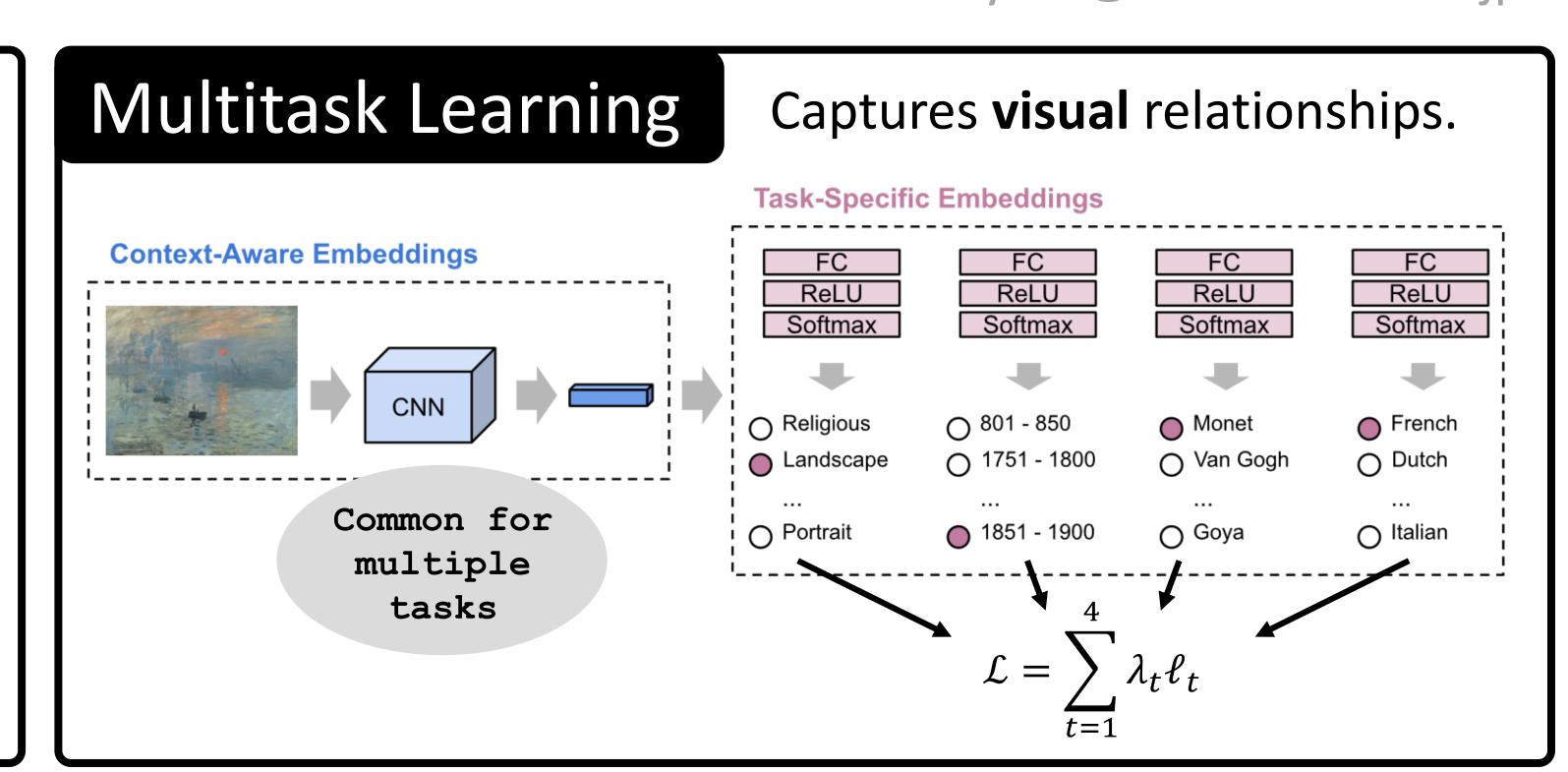
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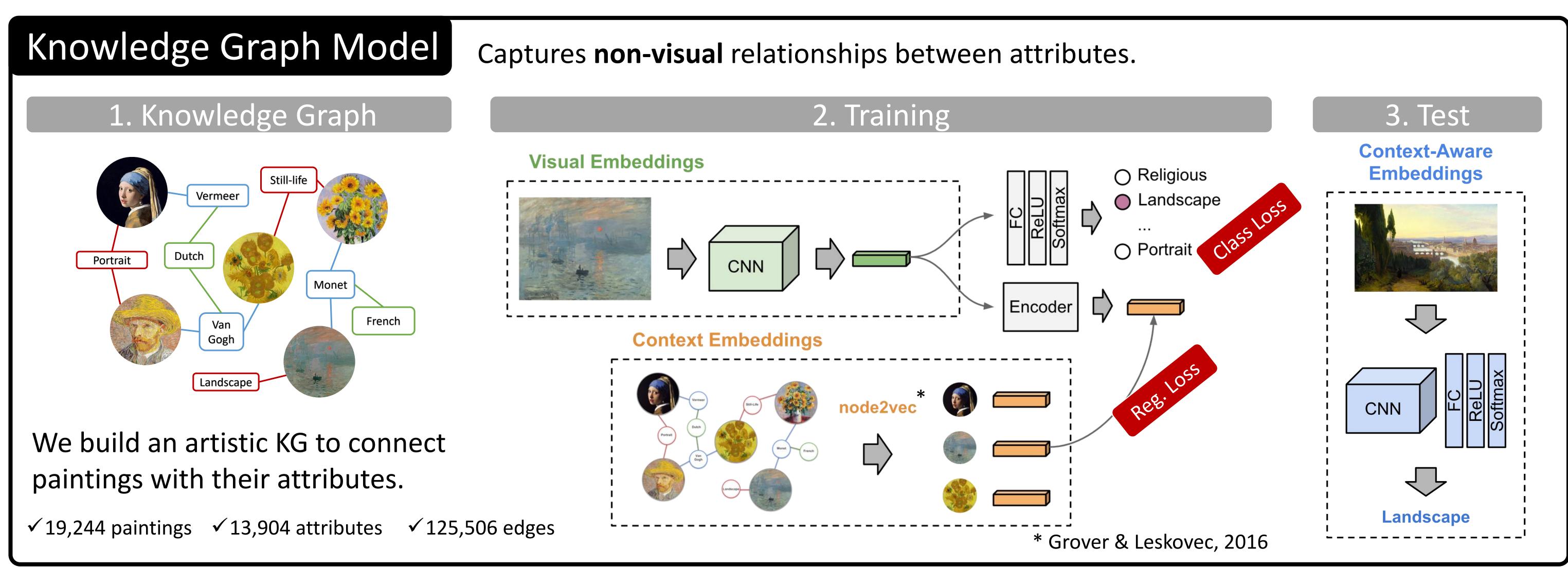
Motivation

- We study paintings through their artistic attributes.
- Paintings are strongly influenced by their context.
- Artistic attributes are highly correlated to each other.

We propose...

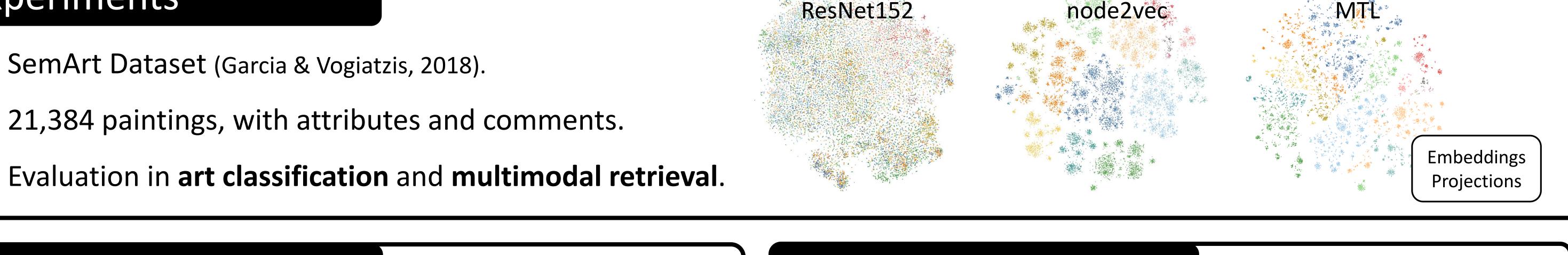
Two methods to capture context from paintings.

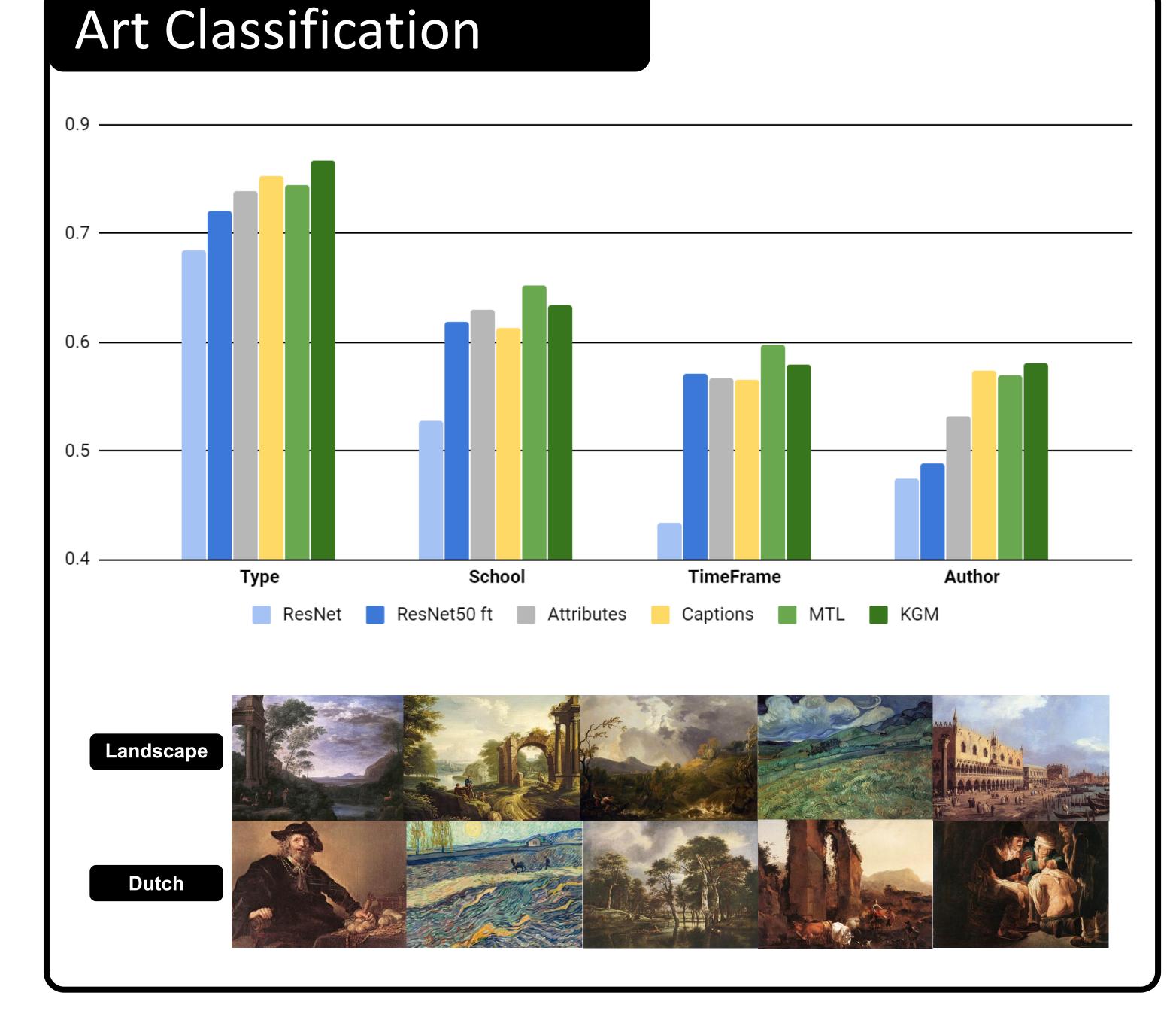


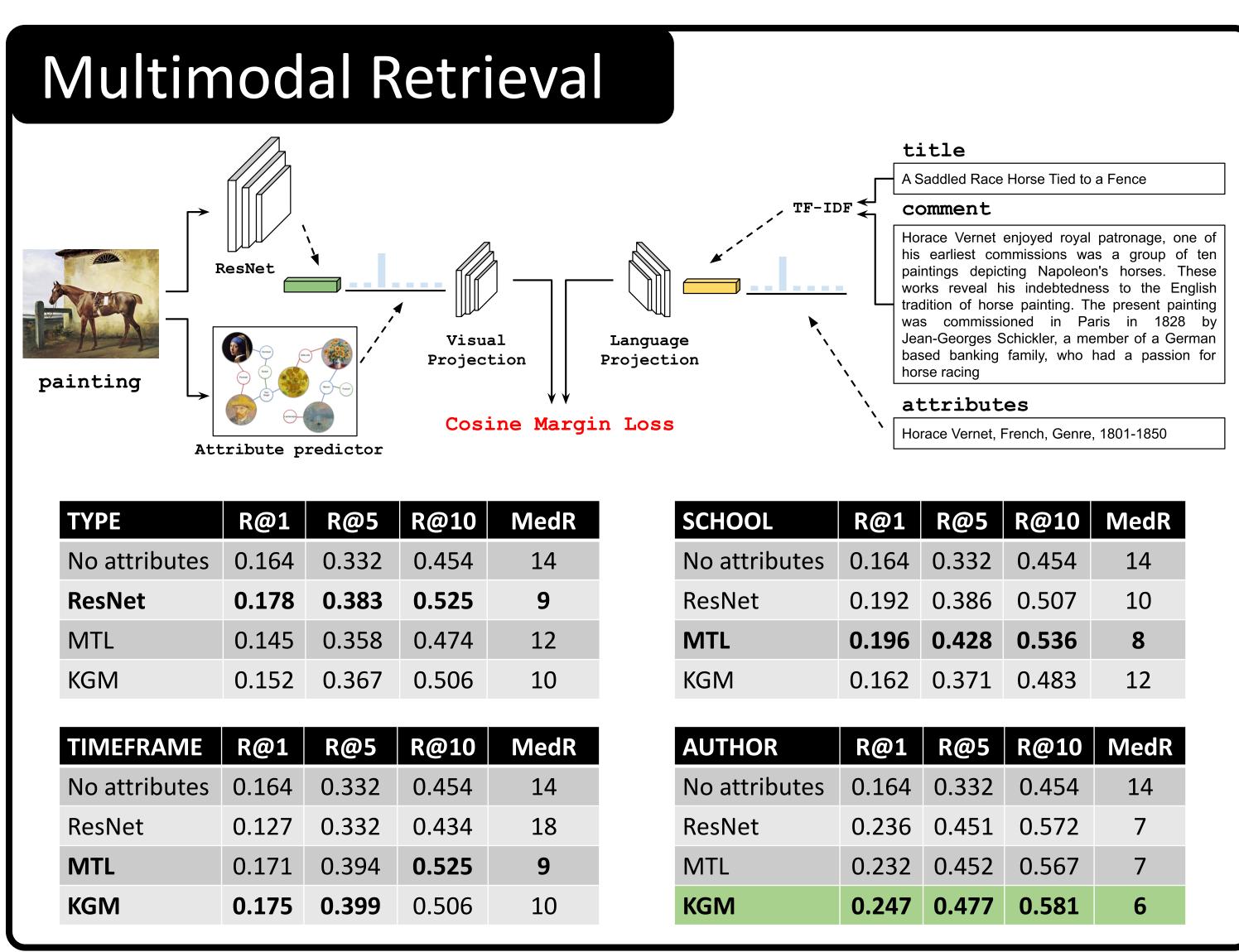


Experiments

- SemArt Dataset (Garcia & Vogiatzis, 2018).
- 21,384 paintings, with attributes and comments.







Garcia & Vogiatzis. How to Read Paintings: Semantic Art Understanding with Multi-Modal Retrieval. ECCVW 2018.

Grover & Leskovec. node2vec: Scalable feature learning for networks. SIGKDD 2018.